

-1- (WPAT)

TITLE

Zinc compsn. for negative electrode of alkaline
batteries - contg. zinc dust, zinc oxide, and a
polyoxyethylene ether of a mixed aliphatic alcohol
A25 A85 L03 X16

DERWENT CLASSES

PATENT ASSIGNEE

(DMIT/) DMITRENKO V E

INVENTORS

TITOV AV, TOROPTSEVA TN

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SECONDARY INT'L. CLASS.

H01M-004/36 H01M-010/24

ABSTRACT

Compsn. for the negative electrode of an alkali
battery comprises zinc dust, zinc oxide and binder in
the ratio (mass %): 60-79:20-40:0.5-1.5, with an
additive of 0.1-0.6 of a polyoxyethylene ether of a
fatty acid alcohol contg. 5-10 oxyethylene gps.
Self-discharge can be reduced if the fatty alcohol is
a mixt. of 10-13 C alcohols in the specific ratio C10
10-25, C11 35-55, C12 25-45, and C13 1-8.1%. An
inhibitor of mercury, cadmium or lead oxide can also
be added to the compsn. in the amt. of 0.5-10%.